T9101 & Cancel Panel

Paging System Transmitter

USER MANUAL

Installation, Warranty and Service Information

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THE T9101 Installation:

Hardware Provided

Each transmitter kit contains the transmitter, Instruction Booklet, two antenna, one 12VDC 1.5A power adaptor, one Staff Name board, and four mounting bracket kits.

Optional Hardware

The T9101 and T9100 Cancel Panel have the ability to print a server report to a POS Printer. Contact LRS if you wish to purchase a printer.

Hardware Setup Procedure

1. Remove all items from their packaging.
2. Locate the silver connector on the top of the transmitter. Twist the antenna (about 3" long, BNC, silver bottom) onto the connector.
3. Locate the gold connector on the top of the transmitter. Twist the antenna (about 4" long, SMA, bends at right angle) onto the gold connector.

Note: Both antennas must be attached before turning on transmitter. Do not remove either antenna at any time due to risk of damage.

4. Mount the power supply in convenient location with access to 110V power.

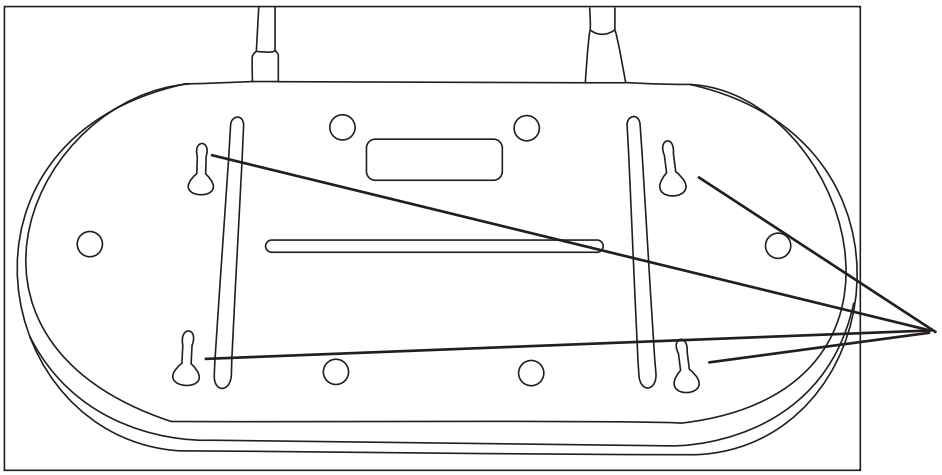
Mounting the Transmitter

The T9101 is designed to be mounted in various ways to accommodate the kitchen environment: to a horizontal surface (i.e. table, counter, shelf), to a vertical surface, or hanging to a wall or stand.

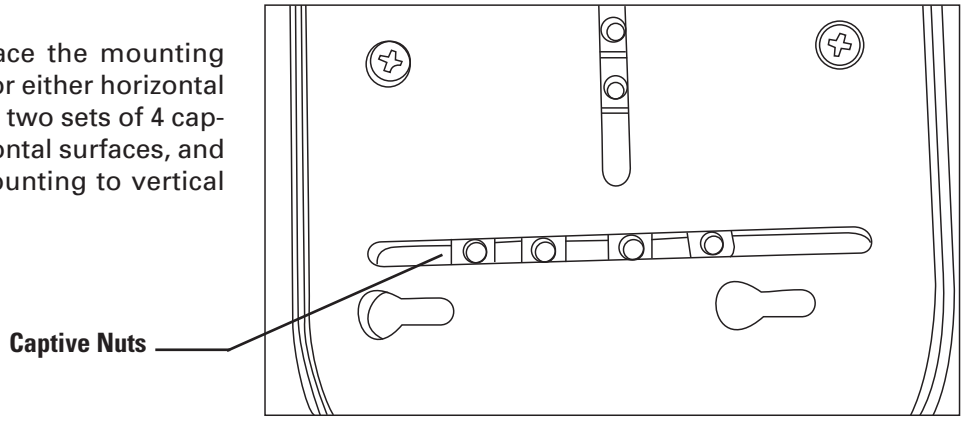
Caution: *Mounting with the antenna near any large metal objects will degrade the operating range.*

To place on a wall or stand, locate the four slots on the mounting plate. Then align four wall anchors (5mm diameter) into the wall to the mounting plate.

Panel and Wall Mount

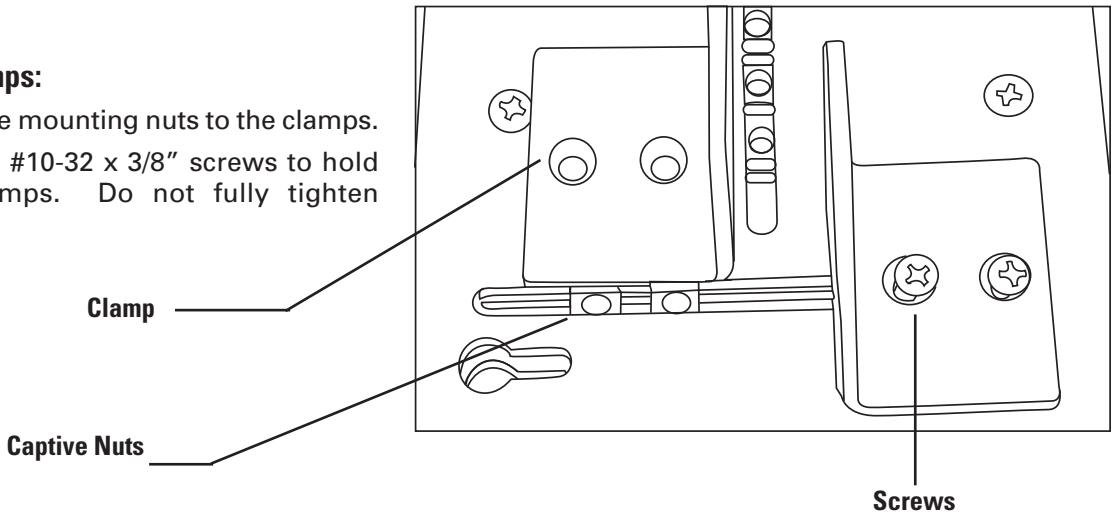


For mounting to surfaces, place the mounting brackets into the captive nuts for either horizontal or vertical mounting. There are two sets of 4 captive nuts for mounting to horizontal surfaces, and one set of captive nuts for mounting to vertical surfaces.

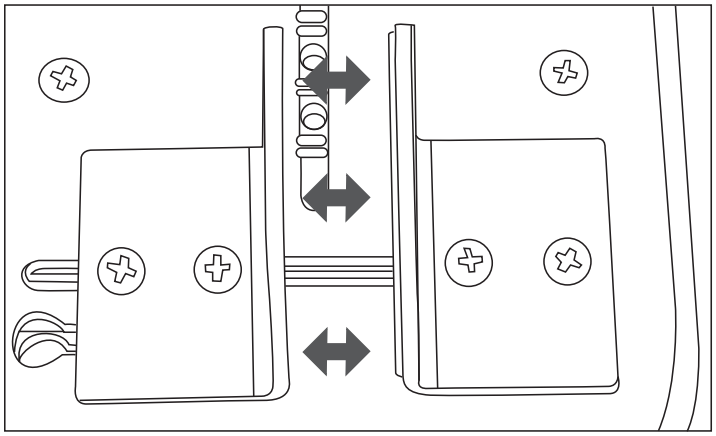


To attach the clamps:

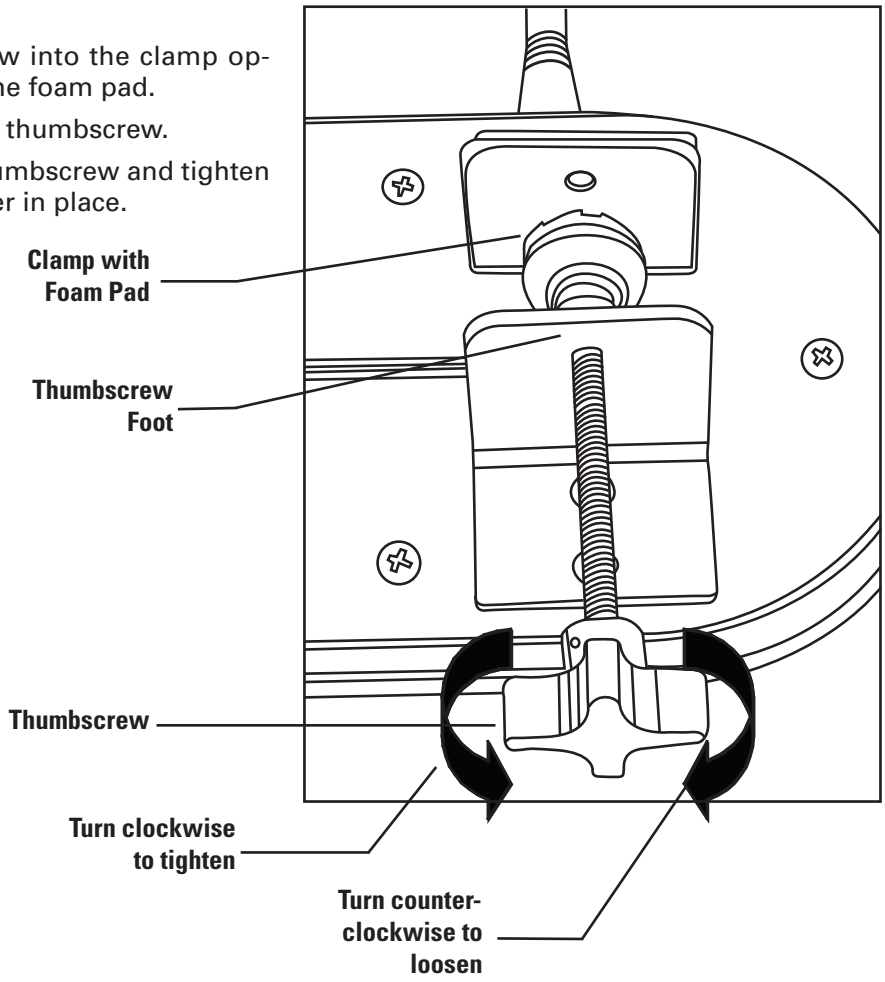
1. Align the mounting nuts to the clamps.
2. Use the #10-32 x 3/8" screws to hold the clamps. Do not fully tighten screws.



3. Adjust the distance between clamps until fits to the mounting surface.
4. Tighten screws.

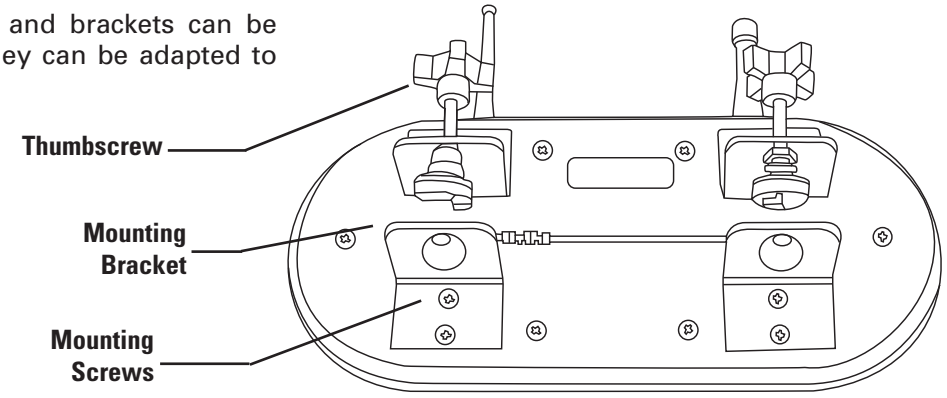


5. Place the thumbscrew into the clamp opposite the one with the foam pad.
6. Attach the foot of the thumbscrew.
7. Adjust position of thumbscrew and tighten to hold the transmitter in place.

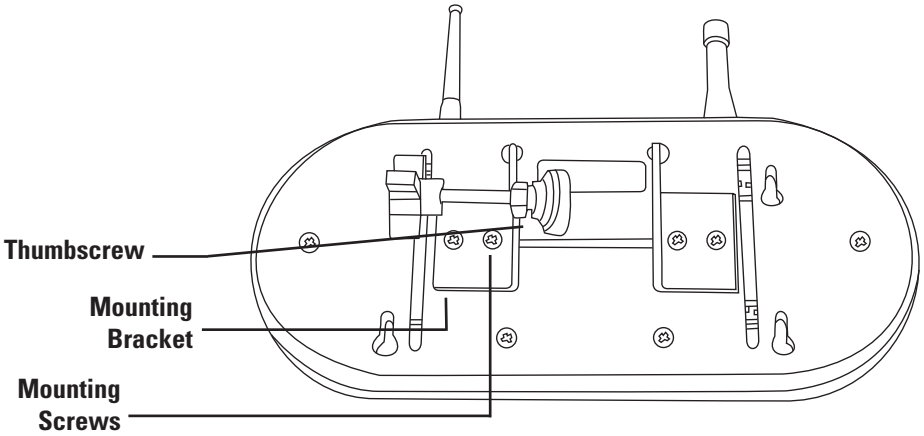


Because the thumbscrews and brackets can be mounted in many ways, they can be adapted to most locations.

Horizontal Mount



Vertical Mount

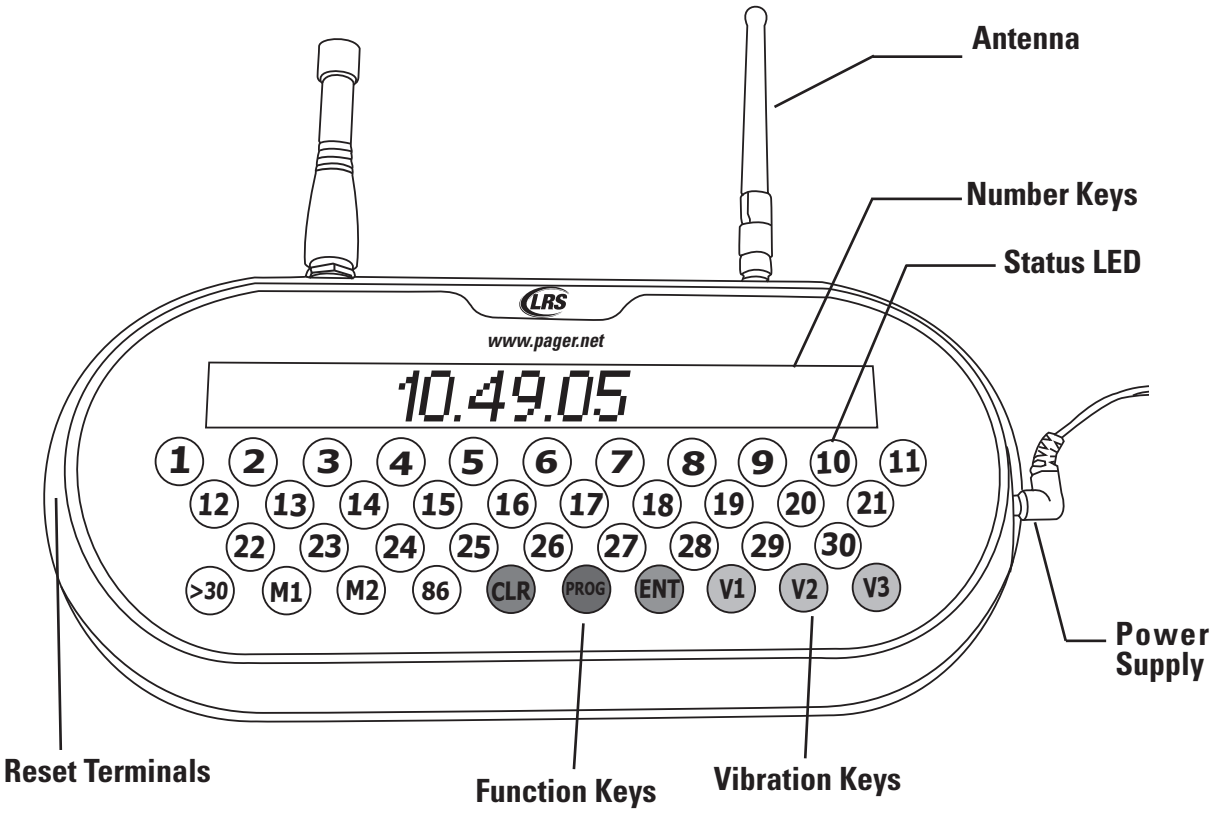


Power Connection

1. Plug the power supply into a standard 110V outlet and the barrel connector end into the jack on the side of the transmitter.

2. Upon completion of the setup, make sure pagers are fully charged.

Overview of T9101


Antenna
Number Keys
Status LED
LRS
www.pager.net
10.49.05
1 2 3 4 5 6 7 8 9 10 11
12 13 14 15 16 17 18 19 20 21
22 23 24 25 26 27 28 29 30
>30 M1 M2 86 CLR PROG ENT V1 V2 V3
Power Supply
Reset Terminals
Function Keys
Vibration Keys

Keypad

Function Keys

The function keys are located along the bottom row of the T9101.

- >30 used to page pagers whose number is 31 through 99.
- M1 & M2 used to page and program Manager Pagers.
- 86 "All Call" button used to page all pagers.
- CLR used to clear an entry or to back up one menu level.
- PROG press once to program pagers, press a second time to access the menu functions.
- ENT used to enter functions.

Vibration Keys

V1, V2 and V3 select the number of vibrations a pager will respond with. This button is pressed before paging a pager. Sends message 1, 2 or 3 to Alpha pagers.

Number Keys

Number keys 1 through 30 located along the center row. Number 10 is also 0 when Programming, using the Menus, or paging pagers greater than 30.

Antenna

The T9101 utilizes 2 antennas when transmitting.

A UHF antenna, located to the user's left, is used to communicate with the LRS pagers.

A 2.4 GHz antenna, located to the user's right, communicates with the T9100 Cancel Panel.

Reset Terminals

The Reset Terminals are located to the user's left side on the transmitter. These are used to reset a pager for programming.

Status LED

This LED will light green to indicate that the T9101 is sending information to the pagers or T9100 Cancel Panel.

System Specifications

Notice: Operation is subject to the following:

- This device may not cause interference
- This device will accept any interference including interference that may cause undesired operation of the unit.

Required Voltage:	*One 110/220V outlet for the T9101 transmitter*
Operating Frequency:	*420-470 MHz*
Radiated Power:	*< 4900 micro-volts/meter*
Operating Range:	*Dependent upon pagers used*

Time and Date

Initial Power Up

During power up, to enter the time and date:

- At [enter time], enter the hh mm (hour, minute) using the number keys, and then press ENT.
- Press 2 for AM or 10 for PM.
- At [date], enter the mm dd yy (month, day, year) using the number keys, and then press ENT.

Clock Menu

The time and date can also be set from the Clock menu by:

- Press PROG – PROG – 1.
- Select [set] by pressing 6.
- At [enter time], enter the hh mm (hour, minute) using the number keys, and then press ENT.
- Press 2 for AM or 10 for PM.
- At [date], enter the mm dd yy (month, day, year) using the number keys, and then press ENT.
- If done, press 6 for Yes, if not, press 10 for No.

Note: The transmitter will use a default selection of "Yes" after 30 seconds of inactivity.)

Send Time

This feature will automatically send the current time and date to the pagers every 15 minutes. The default setting is OFF.

To enable:

- Press PROG – PROG – 1.
- Select [send] by pressing 10.
- At [Auto] press 6 for ON.
- If done, press 6 for Yes, if not, press 10 for No.

To disable:

- Press PROG – PROG – 1.
- Select [send] by pressing 10.
- At [Auto] press 10 for OFF.
- If done, press 6 for Yes, if not, press 10 for No.

Paging

1. To page pagers 1 through 30, press the pager number and the unit pages automatically.
2. To page pagers 31 through 99:
   - Press >30.
   - Enter the pager number up to 99 (using 1 – 9 and 10 [as zero]).
   - Press the ENT key.

All Call

If all staff pagers need to be called at once, press the 86 key.

Manager Pagers

To page the managers, press the M1 for the #1 manager pager or M2 for the #2 manager pager.

Cancel Page

To clear/cancel a pager to the server:

- Press CLR – pager #.

User Preferences

The T9101 will come with factory settings for normal operating use. Some features can change per the user's custom needs.

Display Current Settings

To view the current settings for the transmitter:

- Press PROG – PROG – 16.
- Press ENT to scroll through each item:
- Date
- Restaurant ID Number
- Station ID Number
- FM Start point
- Pre-canned Message
- Repage interval
- M1 (Manager 1) information
- M2 (Manager 2) information
- Duty Pager information
- Router Set
- Cancel Panel set to page (yes or no) (Note: Only seen on Cancel Panel)
- UHF Master
- T9101 is set to Master (yes or no)
- Node ID
- Pan and Channel ID
- Channel Scan is on or off
- Synched on or off
- Beeper (keytone) is on or off
- Code Version
- Error Count
- If done, press 6 for Yes, if not, press 10 for No.

Antitheft

Note: This feature is ONLY for text pagers.

This feature will make a pager beep and/or vibrate continuously if goes beyond the range of the transmitter.

To enable:

- Press PROG – PROG – 4.
- At [theft] press 6.
- If done, press 6 for Yes, if not, press 10 for No.

To disable:

- Press PROG – PROG – 4.
- At [theft] press 10.
- If done, press 6 for Yes, if not, press 10 for No.

Display Clock

The default setting for the clock is ON during normal operation.

To disable:

- Press PROG – PROG – 10.
- Press 10 to select the Clock sub-menu.
- At [cloc] press 10.
- If done, press 6 for Yes, if not, press 10 for No.

To enable:

- Press PROG – PROG – 10.
- Press 10 to select the Clock sub-menu.
- At [cloc] press 7.
- If done, press 6 for Yes, if not, press 10 for No.

Vibe Level

The default Vibration Level for pagers can be set via:

1. Pressing the V1, V2, or V3 buttons for levels 1, 2, and 3 respectively.
2. From the menus:
   - Press PROG – PROG – 12.
   - Enter a value of 1, 2, or 3 from the keypad
   - If done, press 6 for Yes, if not, press 10 for No.

Keytone

The transmitter default is for tones to sound with each key press.

To disable:

- Press PROG – PROG – 22.
- At [beeper] press 10.
- If done, press 6 for Yes, if not, press 10 for No.

To enable:

- Press PROG – PROG – 22.
- At [beeper] press 6.
- If done, press 6 for Yes, if not, press 10 for No.

Preset Message

The LRS transmitters come with a list of preset messages that can be sent to Alpha Pagers. To edit which message is sent:

- Press PROG – PROG – 13.
- Enter the preferred message from the table, then press ENT.
- If done, press 6 for Yes, if not, press 10 for No.

Pre Loaded Messages

000	Phone Call	**020**	Starter	**040**	Door	**060**	Car
001	Sales Call	**021**	Service drive	**041**	Survey	**061**	Bus
002	Manager	**022**	Showroom	**042**	T-nnn Q-mm	**062**	Bay
003	Customer	**023**	Parked Call	**043**	Break	**063**	Low battery
004	Room	**024**	Voice Mail	**044**	Fire	**064**	Error
005	Visitor	**025**	Dressing room	**045**	Unit	**065**	Exit
006	call Ext	**026**	Price check	**046**	Window	**066**	Fax
007	MTG Room	**027**	Department	**047**	Nurse	**067**	host
008	Lane	**028**	Cashier	**048**	Register	**068**	Space
009	Aisle	**029**	Office	**049**	Owner	**069**	Location
010	Void	**030**	Table	**050**	Check	**070**	Nursery
011	Stamps	**031**	Winner	**051**	Drink	**071**	Teller
012	Change	**032**	Pickup	**052**	Food	**072**	Officer
013	Station	**033**	Dock	**053**	Service	**073**	Buffet
014	Machine	**034**	You have mail	**054**	Seat	**074**	Diaper change
015	Operator	**035**	Table ready	**055**	Booth	**075**	Child crying
016	Emergency	**036**	No special	**056**	Lobby	**076**	To nursery
017	XX Minutes	**037**	Hole	**057**	Help		
018	Tee	**038**	Kitchen	**058**	Restroom		
019	Pro Shop	**039**	Bar	**059**	Valet		

Repaging

Repaging sends repeated messages to the pagers.

Note: This feature requires use of an associated Cancel Panel to work.

Server

To set the re-page time for Server pagers:

- Press PROG – PROG – 6.
- Press 1 for Re-page.
- At [time] use the number keys to enter as mm ss (minute, seconds), then press ENT. The screen will briefly show the updated re-page time.

• If done, press 6 for Yes, if not, press 10 for No.

Manager

To set the Manager to be paged once after the third re-page:

• Press PROG – PROG – 6.
• Press 10 for More.
• At [mgr] press 6 for Manager
• Press 5 to turn On.
• If done, press 6 for Yes, if not, press 10 for No.

To turn Off the Manager to be paged:

• Press PROG – PROG – 6.
• Press 10 for More.
• At [mgr] press 6 for Manager.
• Press 10 to turn Off.
• If done, press 6 for Yes, if not, press 10 for No.

Repeater Delay

When using a repeater it may be necessary to add a delay between pages when paging multiple pagers to allow the repeater time to repeat the signal and detect the next one. Default setting is OFF.

To add repeat Delay:

• Press PROG – PROG – 6.
• Press 10 for More.
• Press 10 for repeater.
• At [rPt], press 6 for ON to enable the Repeat Delay. Press 10 for OFF to disable Repeat Delay.
• If done, press 6 for Yes, if not, press 10 for No.

Duty Pager

The duty pager is used to remind someone of a periodic repetitive task. To setup:

• Press PROG – PROG – 7.
• At [duty] Press 6 for On. (After 10 seconds, the screen will default to Off.)
• Enter the Duty Pager number with the keypad, then press ENT.
• Enter Vibe Level (value of 1, 2, or 3), then press ENT.
• Enter the re-page time as hh mm (hours, minutes), then press ENT.
• Screen will briefly display the new settings.
• If done, press 6 for Yes, if not, press 10 for No.

To disable the Duty Pager:

• Press PROG – PROG – 7.
• At [duty] Press 10 for Off.
• If done, press 6 for Yes, if not, press 10 for No.

Restaurant ID

The ID of the Restaurant system. Set if more than one LRS system is in an area to prevent interference. To set:

• Press PROG – PROG – 14.
• At [rest ID], enter a value from 0 to 9, and then press ENT.

• If done, press 6 for Yes, if not, press 10 for No.

Station ID

The station that will be displayed on a pager if more than 1 station is in use. To set:

- Press PROG – PROG – 11.
- At [stn ID], enter a value from 0 to 9, and then press ENT.
- If done, press 6 for Yes, if not, press 10 for No.

POCSAG (FM) Start

- Press PROG – PROG – 8.
- Select [FM Start] by pressing 1 (Note: A 10 second delay will default to FM Start)
- Set the start point at value from 00 to 99, and then press ENT.
- If done, press 6 for Yes, if not, press 10 for No.

Edit Manager Pager Number

In the event the Manger's pager numbers are changed, to change the T9101:

- Press PROG – PROG – M1. (or M2)
- At [MGR1 num], enter the new manger number from the keypad (value from 0 to 99), then press ENT.
- Enter the Vibration Level (Value of 1, 2, or 3), then press ENT.
- If done, press 6 for Yes, if not, press 10 for No

Reset to Factory Default

Note/Caution: If you reset the T9101 to factory defaults the system ID, vibration mode, and station ID could be reset and you may have to re-set these to work with your existing pagers. If you still want to proceed with this function, do the following:

- Press PROG – PROG – 21.
- At [reset] press 6 for Yes. (Press 10 for No to keep current settings.)
- If done, press 6 for Yes, if not, press 10 for No.

Server Statistics

The T9101 can track the daily statistics of the number of times a server was paged, the server's average response, and the number of times a manager is paged.

To enable Server Statistics:

- Press PROG – PROG – 23.
- At [Stats], select ON.
- Enter the start time (example 3 for 3 AM or 3 PM) and then press ENT.
- Select AM or PM.
- The transmitter's memory will clear.
- If done, press 6 for Yes, if not, press 10 for No.

Note:

- At the set time, the daily report will print to the POS Printer.
- At the set time, the memory will also clear to begin a new set of daily statistics.

To disable the Server Statistics:

- Press PROG – PROG – 23.

- At [Stats], select OFF.
- If done, press 6 for Yes, if not, press 10 for No.

Printing Statistics

Note: Server Stats needs to be turned ON before Stats can be viewed or printed. The transmitter must be set as UHF Master.

The current POS Printer supported for the T9101 is the Star TSP650.

The connection between the transmitter and printer is a "Straight-Through". This is achieved with a standard DB9 to DB25 adaptor connected to the back of the printer, and on LRS Provided Serial cable to connect the printer to the transmitter.

If the user attempts to use a "Null Cable" between the printer and the transmitter, a "Null Modem" will need to be added in-line to correct the connection.

To print a current view of the Server Statistics:

- Press PROG – PROG – 24.
- Enter a server number and press ENT.
- Select PRINT.
- The statistics will now print.
- If done, press 6 for Yes, if not, press 10 for No.

Note: The Statistics will also print at the time set in the Stats menu.

Example Print

Date:
Time:

Server Response Report

Svr	Pages	A.R.T.	Mgr
1	5	00:44	02
5	4	00:29	01
12	3	00:15	--
17	4	00:25	01

Svr = Server
Pager = # of pages in last 24 hours
A.R.T. = Average Response Time
Mgr = # of times manager was paged

Viewing Statistics

To View the current Server Statistics:

- Press PROG – PROG – 24.
- Enter a server number and press ENT.
- Select VIEW.
- Press ENT to scroll through the list of servers. (The list will start at the number entered and will continue to the end of the list or until CLR is pressed.)
- If done, press 6 for Yes, if not, press 10 for No.

Example Statistics View:

Server#	# of Pages in 24 hr Period	Average Response time (mm:ss)	# of Times Manager Paged
1	05	00:44	02

Range Test

This can be used to determine the effective range of the T9101 in your environment. To start the range test:

- Press PROG – PROG – 8.
- Select [range] by pressing 10. The Range Test will begin automatically.
- Stop the Range Test by pressing any button.
- If done, press 6 for Yes, if not, press 10 for No.

Find ID

- Press PROG – PROG – 10.
- Select [ID] by pressing 1. (Note: A 10 second delay will default to ID.)
- To start locating the ID, press 7 for Yes. (To not locate the ID, press 10 for No.)
- The transmitter will begin by transmitting on ID 0 (zero). If the pager received the page, at the prompt [receive] press 7 for Yes. If not, press 10 for No. The transmitter will automatically increment to the next ID and page. Repeat this step until the pager receives the page.
- If done, press 6 for Yes, if not, press 10 for No.

Three Digit POCSAG Paging

If using the T9101 in an LRS system with Group Programmed POCSAG Pagers, the Group Paging mode will allow the T9101 to page the three digit individual pager number of the POCSAG Pager.

When this mode is turned on, numbers on the keypad and display are treated as +100. (ex: Pressing 22, the LED Display will show 22, pager #122 will be paged.)

Note: Turning on this mode will not enable support to page Group Numbers 1-99. The transmitter will only page individual numbers 100-199.

To turn on Group Paging Support:

- Press PROG – PROG – 20
- Press the button under Yes
- If done, select Yes (Button under Yes), if not select No (Button under No)

Pager Programming

Star and Alpha Pagers can be reprogrammed from the T9101 transmitter. If the pagers need to have their identification code reprogrammed, contact LRS before proceeding. The following is the basic procedure to use:

For Server Pagers:

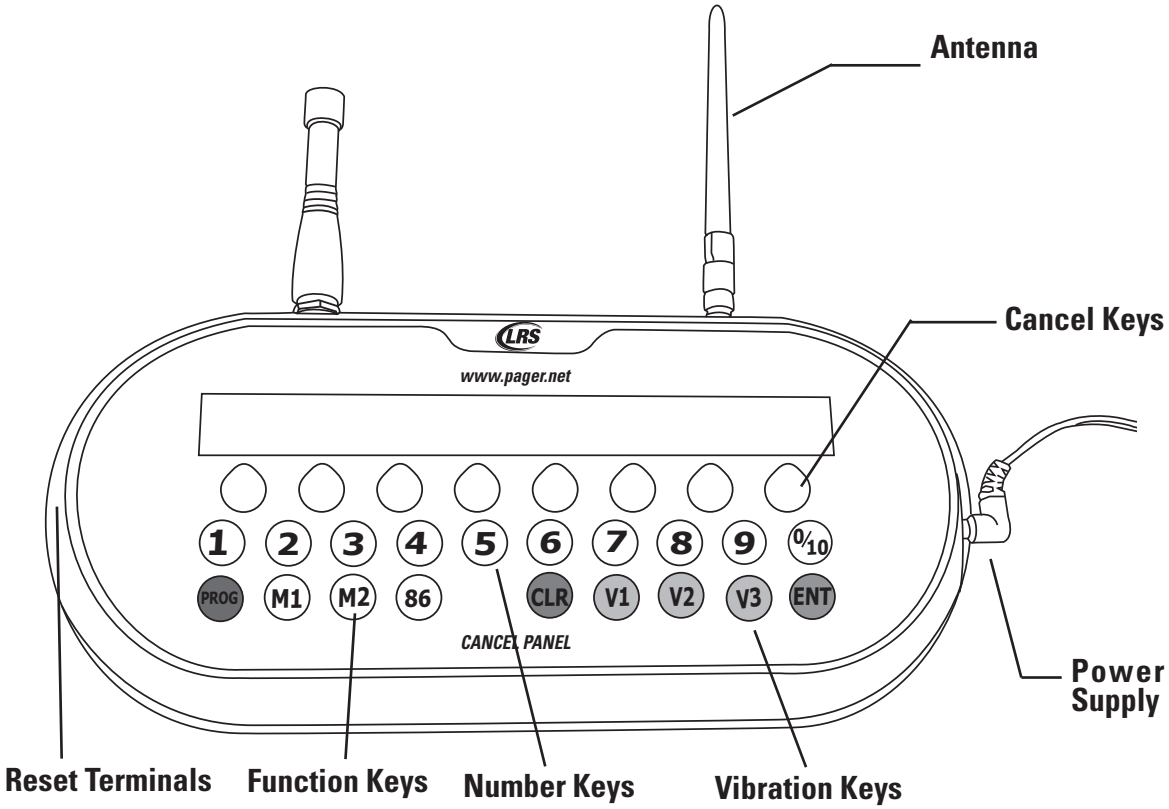
1. Be sure to set the T9101 for the System ID in use.
2. Be sure the POCSAG (FM) start is correct for the pagers in use.
3. Reset the pager:
   - Rechargeable pagers are removed from the charger (or touched to the reset terminals. They stop vibrating when reset is complete.)
   - Battery powered pagers reset when turned off and then back on (or remove and replace battery).
4. Press PROG- # - ENT (# is the pager number 1 through 99).
5. After the pager responds, page it to ensure it programmed okay.
   - Star pagers will do one glow mode cycle.
   - Alpha pagers will beep 4 times.

For Manager Pagers:

1. Be sure to set the T9101 for the System ID in use.
2. Be sure the POCSAG (FM) start is correct for the pagers in use.

T9100 CANCEL PANEL

Overview of T9100 Cancel Panel



Keypad

Function Keys

The function keys are located along the bottom row of the Cancel Panel.

- M1 & M2 used to page and program Manager Pagers.
- 86 "All Call" button used to page all pagers.
- CLR used to clear an entry or to back up one menu level.
- PROG press once to program pagers, press a second time to access the menu functions.
- ENT used to enter functions.

Vibration Keys

V1, V2 and V3 select the number of vibrations a pager will respond with. This button is pressed before paging a pager. Sends message 1, 2 or 3 to Alpha pagers.

Cancel Keys

The row of keys located below the display. These keys will cancel a call to the pager number shown on the display immediately above the respective key. The Cancel Keys also are used during menu selection.

Using the T9100 Cancel Panel

Paging

To page pagers 1 though 99 enter the 2 digit number of the pager.

The transmitter can page up to 16 pagers at one time without using the 86 “all call” button.

When paged, the pager number will show on Cancel Panel display. If not canceled, the pager number will begin to flash after the first re-page time expires. The pager number will flash faster after the second re-page time expires.

Cancel Page

To Cancel a page, press the Cancel Key immediately under the number of the pager.

If using a Cancel Panel with T9101, the pager number may be canceled from the Cancel Panel or by pressing CLR then the pager number on the T9101.

User Preferences

The T9100 Cancel Panel operates as a “Slave” to the T9101. Many settings are transmitted to the Cancel Panel via the T9101.

To edit preferences, refer to the User Preferences of the T9101. Note: To enter selections greater than 10, the user will need to enter as two numbers. Example, enter 15 by pressing 1 and then 5.

Paging from Cancel Panel

This feature enables or disables the Cancel Panel from paging pagers. This feature is only available and only set on the Cancel Panel. The default setting is On to page pagers. To disable:

- Press PROG – PROG – 1 – 7 – ENT.
- At [CP Paging] press the cancel button under OFF.
- If done, select Yes (button under Yes), if not, select No (button under No.)

To enable

- Press PROG – PROG – 1 – 7 – ENT.
- At [CP Paging] press the cancel button under ON.
- If done, select Yes (button under Yes), if not, select No (button under No.)

Associating the T9100 Cancel Panel to T9101

1. Apply power to T9101 and allow it to boot up.
2. While T9101 is booting, apply power to the Cancel Panel and allow it to boot up.
3. The transmitter times should synchronize.

If a Canel Panel does not synchornize and associate.

1. On T9101, press PROG – PROG – 29 to start Associate mode. NOTE: The T9101 will stay in Associate for 2 minutes.
2. On Cancel Panel, press PROG – PROG – 2 – 9 – ENT to start Associate mode. When the Cancel Panel associates, it will display :
   - Attempt Join
   - PAN Found
   - Then display channel and Pan ID.

Changing Transmitter as 2.4 GHz Master

Any T9101, T9100, or T9100 can act as a single coordinator for the 2.4 GHz network, synchronizing most setting and clocks for all transmitters.

To Set a Transmitter as Master:

1. Press PROG-PROG-25 (T9101) or PROG-PROG-2-5 (T9100/CP).
2. Select YES.
3. The transmitter will now restart and display the time and date entry. Enter the time and date.

If another transmitter in the network does not successfully change form “Master” to “Slave” status on T9101.

1. Press PROG-PROG-30 to release from Network.
2. Press 7 for YES. Transmitter will restart and enter Associate Mode.
3. On “Master” of network Press PROG-PROG-29 (T9101) or PROG-PROG-2-9 (T9100/CP) to enter Associate Mode.
4. If T9101 does not initially associate, Press PROG-PROG-29 to enter Associate Mode.

SERVICE QUESTIONS AND ANSWERS

Should your paging system ever fail or should you need additional paging supplies, call Long Range Systems at (800) 437-4996.

Normal Business Hours

Monday – Friday 8:30 am to 5:00 pm Central Time.

Weekend or Night Emergencies:

- Long Range Systems has 24/7 live technical support available.
- Please keep in mind that replacement options are limited over the weekend.

LRS PAGERS AVAILABLE FOR THE T9101

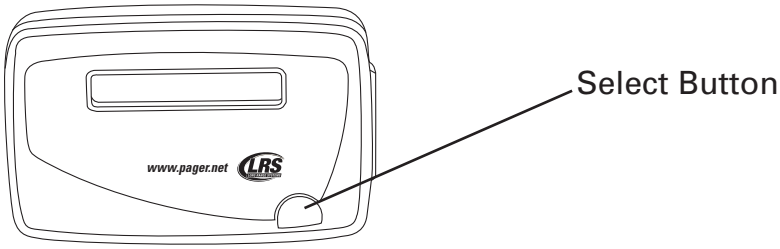
(These pagers are sold separately)

SP5 Rechargeable Alpha

LRS Alpha E467

Star Rechargeable Pager

USING THE SP5



Charging

Any rechargeable pager will require use of an LRS charger. The SP5 uses the Charger 5 (CH-R5)

1. Place the pager in the charger
2. Allow unit to charge fully overnight (at least 24 hours)
3. Remove from charger and the pager will vibrate or beep
4. The LCD will show:
   - C1: [System ID] Pager ID (Ex. C1: [0] 91)
   - Programming Active
   - Blank screen or Date and Time (if set) (Ex. 10/07/2008 12:05 am)
5. Return the pager to the charger at the end of each day

Menus

To access the vibe/contrast menu:

1. Remove the pager from the charger.
2. While vibrating or beeping, press and hold the Select button for 8 seconds.

The menu will display:

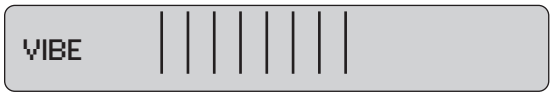
3. If you PRESS and RELEASE the Select Button, the menu selector will scroll to the right and will highlight “Contrast

4. To exit this menu wait 8 seconds
5. To re-enter the vibe/contrast menu at anytime, repeat Step 1

Vibe

To set the Vibration Level:

1. Remove the pager from the charger
2. While vibrating or beeping, press and hold the Select Button for 5-8 seconds
3. Highlight the Vibe selection then PRESS and HOLD the Select Button until the screen shows.



4. Press or hold the Select Button until the desired vibration level is selected
5. If holding down on the Select Button, the vibe level will increase to max and then decrease towards the minimum
6. Release the Select Button when desired vibration level has been reached
7. To exit, wait 8 seconds and the pager will go back to the vibe/contrast menu

Contrast

To set the Contrast Level

1. Remove the pager from the charger
2. While vibrating or beeping, press and hold the Select Button for 5-8 seconds
3. Highlight the Contrast selection then PRESS and HOLD the Select Button until the screen shows.

4. Press or hold the Select Button until the desired contrast is selected
5. If holding down on the Select Button, the contrast level will increase to Max (NOTE: screen could be dark and hard to read)
6. Release the Select Button and press or hold again to change the level back towards the minimum or until your desired contrast is selected
7. To exit, wait 8 seconds and the pager will go back to the vibe/contrast menu

8. To exit this menu wait 8 additional seconds

Settings

To view the current pager settings

1. Remove pager from the charger or reset on the T9601, T9100, or T9101 reset terminals.
2. Press the Select Button repeatedly to scroll through the settings:
   C1: [System ID number] and Pager ID number
   C2: [System ID number] and All Page number
   C3: [System ID number] and System ID number
   G: Group number
   Enc: Encryption enabled (128) or none
   Ver: Current Firmware Version
3. To exit, wait 8 seconds.

Messages

The pager stores the last 5 received messages.

To view the messages:

1. At the (blank screen/time & date) menu display, press the Select Button once
2. Messages 2 lines in length will show a > symbol at the end of the first line and a < symbol at the beginning of the second line
3. Messages over 2 lines in length, the middle lines will show "< the next line of the message >"
4. Press the Select Button to continue scrolling forward through the message or messages

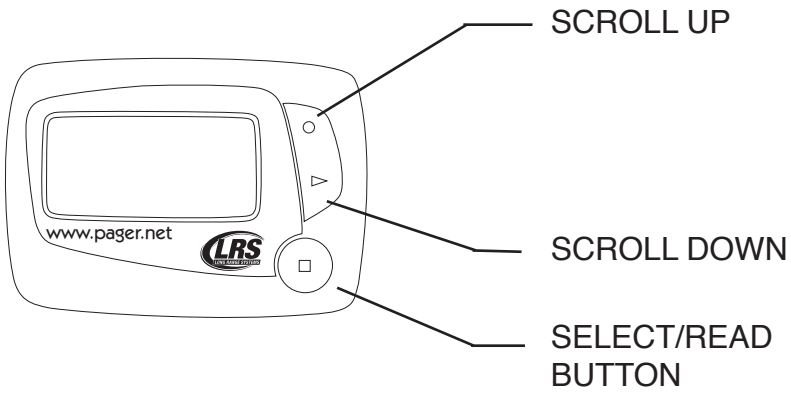
Time

Pager will display the current time. This feature is automatically updated by the T9101 transmitter. If the time does not appear, a flashing star will appear on the right side of LCD to show pager is operational.

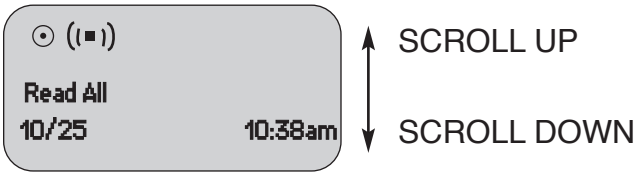
Reprogramming and Reset

To reset and reprogram the pager, see Pager Programming of this document.

USING THE LRS ALPHA E467



Menus



Selecting functions

1. From Read All screen, press Up (or Down) Scroll button until desired selection displays
2. Press Read/Select button to select item
3. Press Up (or Down) Scroll button to choose/adjust
4. Press Read/Select to confirm/set

Power On/Off

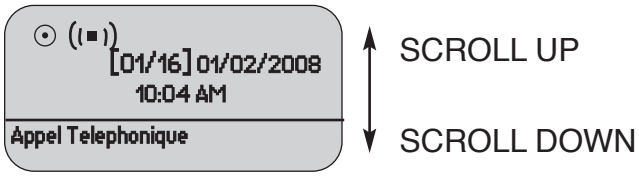
Set ON (if unit is off)

1. Press and hold Scroll Up until YES/NO shows.
2. At "Power ON?" use Up (or Down) Scroll button to select **YES**
3. Press Read/Select button to set

Set OFF

1. Using the Up (or Down) scroll button scroll until display shows "Power OFF?"
2. Press Read/Select button to set power on/off
3. At "Power OFF?" screen, use Up (or Down) Scroll button to select **YES**
4. Press Read/Select button to set

Read Message



- Messages are displayed upon receipt.
- Press Read/Select to display.

To review stored messages:

1. Select "Read All?"
2. Press Read/Select to display messages and time stamps
3. Use the Up (or Down) Scroll button to scroll through messages

Delete Messages

1. Using the Up (or Down) scroll button, scroll until display shows "Delete All?"
2. Press Read/Select
3. Use the Up (or Down) scroll button to select **Yes** or **No**
4. Press Read/Select button to confirm

Time/Date Set

1. Using the Up (or Down) scroll button scroll until display shows "Set Time/Date"
2. Press Read/Select to set time/date
3. Press Up (or Down) scroll button to set each time or date segment and press Read/Select to move through the segments

Set Contrast

1. Using the Up (or Down) scroll button scroll until display shows "Set Contrast"
2. Press Read/Select
3. Use the Up (or Down) scroll button to adjust
4. Press Read/Select to confirm

Auto ON/OFF

1. Using the Up (or Down) scroll button scroll until display shows "Auto ON/OFF"
2. Press Read/Select to set auto on/off
3. Use the Up (or Down) scroll button to select **On** or **Off**
4. Press Up (or Down) scroll button to set on/off time and press Read/Select to move through the segments

Set Key Tone On/Off

1. Using the Up (or Down) scroll button scroll until display shows "Set Key Tone"
2. Press Read/Select to set key tone on/off
3. Use the Up (or Down) scroll button to select **On** or **Off**
4. Press Read/Select to set

Select Alert

1. Using the Up (or Down) scroll button scroll until display shows “Set Alert Mode”
2. Use the Up (or Down) scroll button to select Beep/Vibe Off
3. Press Read/Select to set:

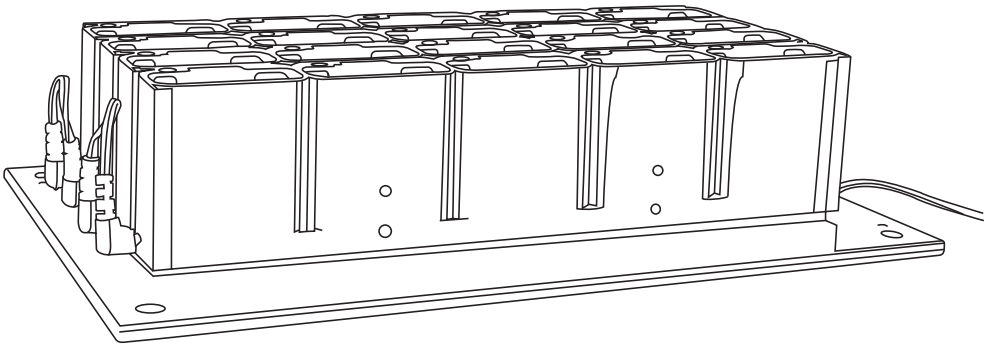
Beep - Use the Up (or Down) scroll button to select:

- Select Loud or Soft and press Read/Select to set
- Select Duration (seconds) and press Read/Select to set

Vibe Off - Use the Up (or Down) scroll button to select

- Press Read/Select to set

Using the Star Pager



Charging

Any rechargeable pager will require use of an LRS charger. The Star Pager (SP4) uses the Charger 9 (CH-R9)

1. Place the pager in the charger
2. Allow unit to charge fully overnight (at least 24 hours)
3. Remove from charger, and pager will vibrate, beep, and light
4. Replace the pager in the charger at the end of each day

Messages

The pager can vibrate, beep, and light up message lights.

- Star pagers are intended to vibrate the number of times determined by the Vibe mode selected. On the T9101 this is done by choosing the V1, V2 or V3 button. This can be a way to send additional information or to identify 1 of 3 stations.
- On the front of the pager are four lights 1 through 4. In normal operation each "station" or T9101 would be set for different STATION ID's (e.g. kitchen is station 1, etc.) Each station will also send different messages (example 1st light for station 1, 2nd light for station 2, 4th and 1st light for station 5, etc.). So if they were paged they can look down at the pager to see which station sent the message (which light was lit). As an option you can also send the message as a V1 for a station one message, or V2 for station 2, or V3 for station 3. This will enable the person being paged to avoid having to look down to see the lights.

Cleaning & Charging Instructions For LRS Paging Equipment

Cleaning:

LRS pagers are made from industrial-strength, polycarbonate material. However, this material is susceptible to hairline cracking if non-approved cleaners are used. When cleaning LRS pagers, we recommend only using ISOPROPYL ALCOHOL-BASED CLEANERS.

To clean the equipment:

1. Take a clean rag and an isopropyl-alcohol based cleaner
2. Soak the clean rag with the isopropyl alcohol cleaner
3. Wipe down the pagers or equipment.

Cleaning equipment with any other non-approved cleaners can weaken plastic and cause hairline cracks. Pagers and equipment that are cleaned with unapproved cleaners and suffer cracking will not be covered under warranty.

Do not submerge any LRS paging equipment in any type of liquid as this will also damage the equipment and is not covered under the standard warranty.

Charging:

Place rechargeable pagers on the charger and let them charge for 8 hours prior to first use.

Rechargeable pagers should be kept on charge even during extremely long periods of inactivity.

Only 12 VDC power supplies should be used with LRS chargers and transmitters. DC power supplies will cause damage to equipment that is not covered under the standard warranty.

Should you have any questions, please contact the LRS Customer Service Department at 800.437.4996.

Warranty

Long Range Systems, LLC permits a one-year manufacturer's warranty following the original consumer purchase date of any LRS system. Any individual components or products purchased will receive a 30-day manufacture warranty. This warranty covers any defects due to faulty material or workmanship, but does not include damage to the product resulting from accident, misuse or improper electrical connection. If the product or system should become defective within the warranty period, we will repair or replace with equivalent equipment, free of charge. We will pay transportation charges to return your product via standard FedEx Ground shipping, provided the product is shipped prepaid to:

Long Range Systems, LLC
4550 Excel Pkwy, Suite 200
Addison, TX 75001

No return or replacement can be received without prior authorization from the LRS Customer Support department or without the proper RMA# posted on the outside of the shipping container. Contact Customer Support at 800.437.4996 or www.pager.net. This warranty gives you specific legal rights and you may also have rights that vary by state.

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EU DECLARATION OF CONFORMITY

We, Long Range Systems hereby declare under our sole responsibility that the T9100 and T9100CP paging transmitters and on-site pagers comply with the essential requirements in the European RE&TTE Directive 1999/5/EC of the European Parliament of the Council of 9 March 1999 on radio equipment and telecommunication terminal equipment and the mutual recognition of their conformity. The following standards were utilized:

ETS 300 224: 1998
EN 301 489-2: 2002
EN61000-3-2: 1998
EN 61000-3-3: 1995
EN 60950: 1992 with A1, A2, & A3

XU-0035 052013